

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/014380

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D223/16 C07D405/12 C07D401/04 C07D413/12 C07D403/12
 C07D409/12 C07D471/04 C07D417/12 C07D401/14 C07D401/12
 C07D403/14 C07D405/14 A61K31/55 A61P25/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WO 96/05194 A (DR. KARL THOMAE GMBH) 22 February 1996 (1996-02-22) page 57; compound (I) page 65; compound (I) page 31; compound (III) | 1, 3, 8 |
| A | WO 03/068751 A (GLAXO GROUP LIMITED; BROMIDGE, STEVEN, MARK; JOHNSON, CHRISTOPHER, NOR) 21 August 2003 (2003-08-21) cited in the application claims 1, 14 | 1-8 |
| A | WO 03/095428 A (GLAXO GROUP LIMITED; GRIBBLE, ANDREW, DERRICK; FORBES, IAN, THOMSON; L) 20 November 2003 (2003-11-20) cited in the application claims 1, 17 | 1-8 |

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claim or other reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

22 April 2005

Date of mailing of the international search report

03/05/2005

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PCT/EP2004/014380

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | EP 1 331 010 A (TAKEDA CHEMICAL INDUSTRIES, LTD) 30 July 2003 (2003-07-30) cited in the application claims 19,40,55 paragraphs '0214!, '0216! paragraph '0014! _____ | 1-8 |
| A | STARK H: "Recent advances in histamine H3/H4 receptor ligands" EXPERT OPINION ON THERAPEUTIC PATENTS, ASHLEY PUBLICATIONS, 68, vol. 13, no. 6, 2003, pages 851-865, XP002298271 ISSN: 1354-3776 the whole document _____ | 1-8 |
| P,A | WO 2004/056369 A (GLAXO GROUP LIMITED; BAMFORD, MARK, JAMES; DEAN, DAVID, KENNETH; SEHMI) 8 July 2004 (2004-07-08) claims _____ | 1-8 |

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 7 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP2004/014380

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|---|--|
| WO 9605194 | A | 22-02-1996 | DE 4429079 A1 AU 3345995 A CA 2197789 A1 WO 9605194 A1 EP 0777667 A1 JP 10504298 T | 22-02-1996 07-03-1996 22-02-1996 22-02-1996 11-06-1997 28-04-1998 |
| WO 03068751 | A | 21-08-2003 | AU 2003206909 A1 AU 2003215558 A1 BR 0307557 A CA 2475783 A1 WO 03068751 A1 WO 03068752 A1 EP 1487801 A1 EP 1474399 A1 | 04-09-2003 04-09-2003 04-01-2005 21-08-2003 21-08-2003 21-08-2003 22-12-2004 10-11-2004 |
| WO 03095428 | A | 20-11-2003 | AU 2003227919 A1 EP 1503989 A1 WO 03095428 A1 | 11-11-2003 09-02-2005 20-11-2003 |
| EP 1331010 | A | 30-07-2003 | AU 8013301 A CA 2418464 A1 EP 1331010 A1 US 2003207863 A1 WO 0215934 A JP 2002138053 A | 04-03-2002 05-02-2003 30-07-2003 06-11-2003 28-02-2002 14-05-2002 |
| WO 2004056369 | A | 08-07-2004 | AU 2003294909 A1 WO 2004056369 A1 | 14-07-2004 08-07-2004 |